



What is claimed:

1. (Currently amended) ~~A home land intelligent system's~~ Homeland intelligence ~~systems~~ technology comprising at least a sensor means embedded in at least a silicon substrate and etched in at least a micro-fibered material ~~designed in a~~ wired disposed in an outfit to enable at least an effective sensory platform for ~~enabling~~ detection, said detection platform comprising an and interactive monitoring means operatively configured with at least a and communication means, ~~of terrorist activities, movements, and for enabling detection and~~ interactive monitoring and said communication means comprising means for analyzing detection signals, said outfit enabling detection of deadly weapons, including biological, chemical, nuclear, radiological agents and explosives, said communication means further configured to enable communicating said detection to at least a homeland security agency, said detection further includes ~~of pre-use~~ and/or post use of said deadly weapons ~~such as chemical, biological, nuclear,~~ radiological gases and explosives in a randomly patrolling commercial and ~~battlefield environment~~ and said communication means further enabling wireless communication network thereon, comprising:

a detection means;

a sensor means;

an interactive processing means;

receiving means, including at least an RFID chip ~~and/or~~ operatively configured with at least an FM receiver for receiving signals and outputting modulating signals to (a) said interactive processing means;

transmitting means, for transmitting detection signals and for generating coded signals and outputting at least said generated signal to (a) said receiving means, ~~and for enabling~~ means for analyzing detection signals, said means enables comparing ~~of~~ said generated signal with at least a detected signal;

said interactive processing means comprises at least a processor connected to the receiving means, said processor comprises said means for analyzing detection signals

and operable to process the portion of the detection signal detected by the receiving means to determine whether the person is carrying a concealed object by conducting a test in which a first characteristic of a first dielectric constant associated with the person is determined, and a second characteristic of a second dielectric constant associated with the concealed object and or weapons of mass destruction is determined;

antenna means(,)operatively configured with said receiving means for receiving and outputting coded signals through radio-wave transmission from at least a transmitting means to at least a receiving means and for receiving frequency signals from at least a sensor indicative of enabling interactive communication within at least said monitoring and communication system;

At least a said sensor means for operating on at least a defined principles of detection to enable responsive for enabling detection of said deadly weapons, in said detection comprising at least a gaseous phase, a liquid phase, a solid phase, and at least an applied explosive phase;

Said communication means further comprising means for interactively enabling wireless communication to at least a home-land security monitoring stations, at least a security personnel, and other plurality security agencies battlefield personnel when said deadly gases weapons and explosives are sensed;

Control means(,) operatively configured with said communication means for providing status on detected gases deadly weapons and/or explosives to a communication means and for enabling interactive wireless communication thereon; and

Said interactive monitoring means(,) operatively configured with at least said sensor means and communicatively disposed with said outfit for detection and including a wearable jacket with sensors embedded in a silicon substrate and etched inside at least a jacket lining or outfit for generating said coded signal of at least a sensed agent in said randomly patrolling environment and for enabling interactive communication thereon .

2. (Currently amended) The home-land intelligent system's- Homeland intelligence systems technology of claim 1, wherein said outfit comprising a detection platform operatively configured with said sensor means communicatively connected to said detection means, said detection means operatively configured with at least said interactive processing means, said interactive processing means

configured with a memory means and communicatively connected to at least said control means, said control means comprises at least a communication means configured with means for filtering out signal output and responsive for enabling communication, said means for filtering out signals responsive for improving communication signal to noise ratio, includes at least a control means having a microprocessor means connected to at least a memory and wherein said interactive processor means interfaces with at least an analyte chamber for providing signal communication there between and for filtering out said processed signal output, responsive for enabling improve signal to noise ratio in at least a pattern of recognized detection and for enabling communication clarity through said antenna means and wherein the detection means further configured to produce a real-time alert when a concealed object and or weapon of mass destruction is detected.

3. (Currently amended) ~~The home land intelligent system's~~ Homeland intelligence systems technology of claim 1, wherein said communications means further configured for selectively and simultaneously transmitting and receiving analog and digital signals of varying frequencies, including at least a radio frequency signal is generated by at least a transmitter said transmitting means and matched with said at least a pattern of detection signal commonly generated by at least a biological and/or chemical gases agents and wherein said radio frequency identification "RFID" is comprising at least a chip for reading said signal generated by at least a transmitter and matched with said at least a predetermined pattern of recognized detection signals, wherein one said recognized detection further includes signals generally generated by at least a deadly weapon, such as wherein said deadly weapon further comprising at least an explosive device, said system outfit enables security monitoring, detecting, and protecting against contextual characteristics influential to change in environmental condition, said system and further comprising means for detecting weapons of mass destruction, wherein said means for detecting weapons of mass destruction includes said sensors embedded in at least a silicon substrate, and wherein said silicon substrate is etched in at least a micro-fibered material having excellent electrical properties

and disposed in said outfit to enable at least a platform for enabling said detection,
wherein said micro-fibered material is further wired in a second material to form
at least a component of said system having said detection platform
communicatively connected to said control means and further responsive for
analyzing (a) predefined parameters of detection indicative of at least a variance
of operation of at least a terrorist activities enabling responsible for initiating
activation of said weapons of mass destruction, and wherein said predefined
parameters forming a pattern of detection common to for enabling generating at
least a comparison to a stored sample of detection in connection to signals
generated by at least components of said weapons of mass destruction, at least one
said component includes a biological agent having deadly characteristics and
rotation means comprising a transmitting means activated by at least a sensory
platform to automatically transmit at least a detected data to at least an analyzer
such as a receptor for comparing with stored samples to enable at least an output,
wherein said generated signal is sent to at least receiving means for
communication thereon, said receiving means responsive for receiving signal
communication from at least a transmitter means and enabling means for
verifying said signal communication to enable interactive wireless communication
to at least a centralized station through said transmitting means enabled by at least
a control means, at least an said RFID chip forming component of said control
means and enabling communication with said transmitting means, wherein said
control communication means responsive for enabling wireless communication
network with at least a home-land security monitoring stations, at least a security
personnel, and at least a battlefield personnel when said deadly weapons and
explosives are sensed with at least said receiving means indicative of responding
to at least a detection signal communication to at least a respondent station for
revealing at least said detection contextual characteristics influential to
environmental change, and wherein the real-time alert comprises an audible alert
for enabling communication network with at least said home land security agency.

4. (Currently amended) The home-land intelligent system's Homeland intelligence
systems technology of claim 2, wherein said sensing means further includes at

least ~~a sensor plurality of sensors~~ embedded in a silicon substrate and wherein said embedded sensors ~~is are~~ etched/fused in a material fabric for enabling a ~~sensory~~ the detection platform operatively configured with said control means, said detection platform responsive for sensing/detecting and said control means further responsive analyzing said detection and for initiating communication to at least a home-land security monitoring stations, at least a security personnel, and battlefield personnel including at least an agency for responding to when said deadly weapons and explosives are sensed, said detection platform and for generating data indicative of biological, chemical, nuclear, radiological agents detection, and for generating data indicative of a said detection further comprises gaseous and or explosive detection ~~to enable~~ and said communication means enabling interactive communication ~~through said platform to said agency,~~ wherein said platform further responsive ~~to for~~ activating external devices including at least a receptor, said receptor comprises said control means and responsive for enabling communication ~~through a designed said outfit to~~ at least (a) said ~~receptor,~~ said communication means further comprising at least one said external device, whereby said receptor responsive for enabling communication to at least a network of security agencies, and wherein the detection signal comprises signals from biological, chemical, radiological, nuclear agents and explosives, and generating at least a frequency in the range about 1.4 gigahertz.

5. (Currently amended) ~~The home land intelligent system's~~ Homeland intelligence systems technology of claim 4, wherein said outfit further comprising said sensing means, said sensing means further responsive for generating data enables and for enabling detection of ~~human's~~ at least a human heartbeat and respiratory system ~~through~~ and comprises at least a code-able system having interactive communication means configured with at least an RFID chip ~~indicative of~~ responsive for communicating the same to at least a network of security agencies ~~thereon,~~ and wherein said detection means detects objects concealed on a person, a vehicle, and at least a vicinity common to experiencing the use of weapons of mass destruction, and wherein the detection signal comprises an output power of less than one milliwatt, said detection platform further comprising providing a

- substrate across which is distributed an array of discrete regions of said sensor means, said discrete regions having membranes that pass through the sensor means.
6. (Currently amended) ~~The home land intelligent system's~~ Homeland intelligence systems technology of claim 5, wherein said ~~sensing and detecting~~ sensing and detection means responsive for enabling said interactive communication, and further includes interfacing with multiple processors in communication with security agencies networks to enable at least a shared data with at least a military ~~station and security agencies communication and monitoring means,~~ wherein said detection means comprises nano-sensors forming said sensor means in said detection platform, said detection means further comprises a bistatic radar detection means, and said membrane bringing signals that contain chemical targets into contacts with the platform, so that signals dissipate away from the membrane into the sensor means, thereby allowing at least a chemical target to be bound to the discrete region of said sensor means, said membrane comprises means for bringing chemical active material into contact with said chemical targets, the chemically active material binding to at least one of the chemical targets, whereby the chemically active material includes means for responding to at least a first wavelength upon electromagnetic radiation.
7. (Currently amended) ~~The home land intelligent system's~~ Homeland intelligence systems technology of claim 6, wherein said outfit comprising said sensing and detecting means communicatively connected to said control means configured with said communication means, said sensor and detection means further includes nano-sensors comprising at least MEMS, at least an RFID code-able chip for enabling detection of weapons of mass destruction, and wherein said ~~code-able~~ sensing means further includes means for enabling detection of sudden change in ~~human's~~ at least a human pulsation within said assigned detection environment and/or battlefield assignment, whereby said communication means enables to enable interactive communication through at least a wireless networking means to at least (a) ~~defined security and the agencies~~ communication station, and wherein

at least one of the antenna means comprises at least said RFID chip and/or a spiral antenna, and said means for responding to a first wavelength configured for directing said electromagnetic radiation onto the discrete regions of the sensor means, so that at least optical radiation corresponding to the first wavelength is emitted from at least one of the discrete regions .

8. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 6, wherein said communication means ~~for enabling said interactive communication~~ further includes at least a receptor, ~~and wherein said means for enabling said interactive communication includes~~ at least a cell phone, at least a wireless means and/or a two-way radio, whereby said means for enabling interactive communication ~~means is not limited to further configured with means for empowering said sensory platform , but includes means for enabling to enable effective~~ recognition of at least a received signal ~~generated by said sensory platform~~ and communicatively connected to means for enabling electronic simulation of responses indicative of analyzing at least a detection of weapons of mass ~~destructions~~ destruction for enabling interactive wireless communication ~~thereon~~ therefrom, wherein at least one of the antenna means comprises an endfire waveguide antenna, and said control means responding to optical radiation emitted at the first wavelength.
9. (Currently amended) ~~The home-land security system's~~ Homeland intelligence systems technology of claim 5, wherein said antenna means operatively configured with said sensing and detecting sensor and detection means and communicatively connected to said receiving and transmitting means, said sensor and detection means comprising said detection platform for enabling said detection, said receiving and transmitting means operatively configured with said control means for generating said detection data, includes at least a said control means operatively configured with said communication means responsive for enabling interactive wireless communication there-between indicative of revealing detection of at least a weapon of mass destruction comprising at least a sensed gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties, whereby said duties include at least a

~~such as~~ security monitoring and /or battlefield engagement, and wherein one said duties further include ~~such duties includes~~ at least randomly patrolling said vicinity within said assigned environment, and said interactive processor means further includes at least a receptor operable to conduct and control the detection data test using a frequency-stepped scheme, and comprising determining which chemical targets correspond to regions of the first emitted wavelength, wherein said discrete regions including nano-sensors formed in the silicon substrate, and wherein said silicon substrate and said micro-fibered material responsive for said discrete regions and include a reflecting layer to enhance sensitivity of detection.

10. (Currently amended) ~~The A home-land intelligent system's~~ Homeland intelligence systems technology comprising sensors embedded in at least a silicon substrate, wherein said silicon substrate is etched in a micro-fibered material and wired/disposed in an outfit ~~designed~~ to improve the effectiveness of a detection platform and responsive for monitoring deadly weapons of mass destruction ~~such as~~ , including biological, chemical, nuclear, and radiological weapons, said weapons of mass destruction further comprises weapons in at least a gaseous phase and/or applied explosives and /or including explosive elements within at least a defined vicinity common to assigning at least a personnel to duties, whereby said duties include at least a security monitoring and /or battlefield engagement, and wherein one said duties further include at least randomly patrolling said vicinity within said assigned environment ~~a randomly patrolling environment for enabling interactive wireless communication thereon, the detection platform further comprising providing a substrate across which is distributed an array of discrete regions of sensor means, said discrete regions having membranes that pass through the sensor means, comprising:~~

a detection means;

a sensing means;

an interactive processing means;

a control means;

a communication means;

a receiving means, including at least an RFID chip operatively configured with at least an

FM receiver for receiving signal communication from at least a ~~transmitter~~ transmitting means;

said transmitting means, responsive for transmitting detection signals and for generating coded signals and outputting at least said generated signal to said receiving means;

said interactive processing means comprises at least a processor connected to the receiving means and operable to process the portion of the detection signal detected by the receiving means to determine whether the person is carrying a concealed object, by conducting a test in which a first characteristic of a first dielectric constant associated with the person is determined, and a second characteristic of a second dielectric constant associated with the concealed object and or weapons of mass destruction is determined;

said control means further comprising means for analyzing said detection signals;

said communication means operatively configured with said control means for verifying said signal communication and said communication responsive for enabling interactive wireless communication through transmitting signals from and communicatively connected to said transmitting means, said control means responding when at least a sensed signal or at least a detection signal is enabled;

said control means communicatively connected to said processing means configured with said detection platform, wherein said control means further responsive for receiving signal from said detection platform means and responsive for receiving signal from at least (a) said transmitting means to enable communication indicative of at least a detection a gaseous or explosive detection environment;

means for transforming said detection signals such as at least a chemical information into at least an energy form;

said communication means further comprises means for enabling interactive interactively enabling wireless communication to at least a home-land security monitoring stations and other plurality security agencies when said deadly weapon of mass destruction, including gases and explosives are sensed;

said control means in communication with said processing means for providing status on of said weapon of mass destruction, including detected gases and/or explosives to and at least (a) said communication means and for enabling interactive wireless communication thereon;

said communication means further comprising means for enabling audio vocal/audio visual communication in response to a sensed signal indicative of at least a detection of weapons of mass destruction and/or at least a terrorist activity; and

said processing means further comprising means for coordinating transient signals and for receiving sensed signal communication indicative of said detection output.

11. (Currently amended) ~~The home land intelligent~~ Homeland intelligence systems technology of claim 10, wherein said outfit comprising said detection platform operatively configured with said sensor means communicatively connected to said detection means, said detection means operatively configured with at least said interactive processing means, said interactive processing means configured with a memory means and communicatively connected to at least said control means, said control means comprises at least said communication means configured with means for filtering out signal output and responsive for enabling communication therefrom., said means for filtering out signals responsive for improving communication signal to noise ratio, said sensing means further comprising ~~includes~~ at least a person wearing at least an said outfit having at least a sensory comprising said detection platform indicative of detection means, said detection platform further operatively configured with said control means in communication with at least (a) said receiving means, and wherein said receiving means includes an antenna in connection with communicatively connected to said sensing means embedded in said outfit, and wherein said sensing means further configured with said communication means, said control means includes means for transforming at least a biological energy into useful analytical signal responsive for enabling communication thereon.

12. (Currently amended) ~~The home land intelligent system's~~ Homeland intelligence systems technology of claim 11, wherein said sensing means further includes a wearable said outfit and wherein said wearable outfit operatively configured with said control means, said control means further includes means for verifying said received signal and for transforming at least a chemical energy into useful analytical signal and enables generating data to at least a control said communication means responsive for enabling interactive wireless

communication ~~there-between~~ indicative of at least a sensed weapon of mass destruction, including gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties ~~such as~~ , whereby said duties include security monitoring and /or battlefield engagement, and wherein ~~such duties includes~~ said duties further include at least randomly patrolling said vicinity within said assigned environment, and said membrane bringing signals that contain chemical targets into contacts with the platform, so that signals dissipate away from the membrane into the sensor means, thereby allowing at least a chemical target to be bound to the discrete region of said sensor means, said membrane comprises means for bringing chemical active material into contact with said chemical targets, the chemically active material binding to at least one of the chemical targets, whereby the chemically active material includes means for responding to at least a first wavelength upon electromagnetic radiation

13. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 12, wherein said sensing means includes ~~a wearable said outfit and wherein said wearable outfit includes~~ operatively configured with means for transforming at least said energy generated from at least explosive devices into useful analytical signal responsive for generating data indicative of contextual detection for analysis, said means for transforming said energy and further includes means for enabling communication with at least a is configured with said control means comprising said communication means and responsive for enabling interactive wireless communication ~~there-between~~, indicative of at least a sensed weapon of mass destruction, including gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties, whereby said duties include ~~such as~~ security monitoring and /or battlefield engagement, and wherein ~~such~~ said duties further include at least randomly patrolling said vicinity within said assigned environment, and wherein said silicon substrate and said micro-fibered material responsive for said discrete regions include a reflecting layer to enhance sensitivity of detection.
14. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence

systems technology of claim 13, wherein said sensing means includes ~~an~~ said outfit having at least a ~~sensor~~ sensory circuitry comprising a detection platform having at least a monitoring means in communication with a detection means, said monitoring means responsive for enabling detection of deadly weapons and contextual characteristics affecting the safety of at least an environment, wherein said sensory circuitry having means for analyzing said communication signal from at least ~~a~~ said sensor means indicative of detecting at least a chemical energy, and wherein said sensing means for detecting said chemical energy detects weapons of mass destruction ~~such as~~ , including at least energy from explosive devices, and ~~includes~~ further comprises means for enabling signal transformation from at least an energy source into detecting gases and/ or explosives carried by a person or in a person's body and for detecting gases and/ or explosives in a transportation equipment within the vicinity common to assigning at least a personnel to duties, whereby said duties include security monitoring and /or battlefield engagement, and wherein said duties further include at least randomly patrolling said vicinity within said assigned environment of at least a randomly patrolling environment.

15. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 14, wherein said sensing means includes means for transforming at least the effects of electrochemical interaction with at least an analyte electrode into useful signal communication, and wherein ~~said~~ at least a sensory circuitry comprises at least (a) said sensor means embedded in at least a silicon substrate and responsive for said useful signal communication, wherein said embedded sensor means and said silicon substrate are etched in at least a re-enforced micro-fibered material(,) for enabling thermal control means and for re-enforcing sensitivity of said detection means through at least a platform for detection indicative of configured for detecting contextual characteristics influential to at least a change in environmental conditions and/or situations.

16. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology comprising at least sensors embedded in at least a silicon substrate and etched in at least a micro-fibered material disposed in an outfit to enable at least an effective sensory platform for detection and for monitoring

weapons of mass destruction, said weapons of mass destruction include such as at least gaseous and explosive devices in the vicinity of at least a randomly patrolling environment said detection platform comprising an interactive monitoring means operatively configured with at least a communication means, said communication means comprising means for analyzing detection signals, said outfit enabling detection of said weapons of mass destruction, including biological, chemical, nuclear, radiological agents and explosives, said communication means further configured to enable communicating said detection, said detection further includes pre-use and/or post use of said weapons of mass destruction and said communication means further enabling wireless communication network thereon, said weapons of mass destruction further comprises weapons in at least a gaseous phase and/or applied explosives and /or including explosive elements within at least a defined vicinity common to assigning at least a personnel to duties, whereby said duties include at least a security monitoring and /or battlefield engagement, and wherein one said duties further include at least randomly patrolling said vicinity within said assigned environment said environment having means for analyzing signal communication from at least a sensor means, wherein said means for analyzing said signal communication from said sensor means comprises at least an antenna means coupled to the said sensor means, and wherein said sensor means includes at least a transmitter for energizing at least a detection platform and for enabling analyzed data transmission through interactive wireless communication with at least a wireless control means, comprising;

~~means for receiving radio frequency from at least a sensor;~~

~~means for receiving radio frequency signal from at least an environment;~~

~~means for transmitting output signals to a location external to said randomly patrolling environment;~~

~~means for filtering out signal output;~~

~~means for storing coded data indicative of said sensed signal and said detection signal indicative of predetermined detection signal input/output;~~

~~means for upgrading energy level of said detection platform and at least a communication device;~~

sensor circuitry means comprising a detection platform having at least a monitoring means for communicating detection of characteristics affecting environmental conditions and safety;

~~interactive wireless communication means for analyzing sensed communication signals from at least a sensor and for enabling a network communication thereof; and~~

~~wireless control means for controlling contextual signal transmission and signal receivable indicative of detection characteristics;~~

a detection means;

a sensor means;

a control means;

an interactive processing means;

a communication means;

receiving means, including at least an RFID chip operatively configured with at least an FM receiver for receiving signals and outputting modulating signals to said interactive processing means;

transmitting means, for transmitting detection signals and for generating coded signals and outputting at least said generated signal to said receiving means, said means for analyzing detection signals enables comparing said generated signal with at least a detected signal;

antenna means operatively configured with said receiving means for receiving and outputting coded signals;

said interactive processing means comprising a processor connected to the receiving means and operable to process the portion of the detection signal detected by the receiving means to determine whether the person is carrying a concealed object, by conducting a test in which a first characteristic of a first dielectric constant associated with the person is determined, and a second characteristic of a second dielectric constant associated with the concealed object and or weapons of mass destruction is determined; said sensor means responsive for enabling detection of said deadly weapons, said detection comprising at least a gaseous phase, a liquid phase, a solid phase, and at least

an applied explosive phase;

said communication means further comprising means for interactively enabling wireless communication to at least a home-land security monitoring stations, at least a security personnel, and battlefield personnel when said deadly weapons and explosives are sensed;

means for filtering out signal output;

means for upgrading the energy level of said detection platform and at least said communication means;

sensor circuitry means comprising said detection platform having at least a monitoring means configured with said communication means for communicating detection of characteristics affecting environmental conditions and safety;

said control means operatively configured with said communication means for providing status on detected deadly weapons and/or explosives and enabling interactive wireless communication thereon; and

said interactive monitoring means operatively configured with at least said sensor means and communicatively disposed with said outfit for detection and for enabling interactive communication therefrom.

17. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 16, wherein said outfit comprising a detection platform operatively configured with said sensor means communicatively connected to said detection means, said detection means operatively configured with at least said interactive processing means, said interactive processing means configured with a memory means and communicatively connected to at least said control means, said control means comprises at least said communication means configured with means for filtering out signal output and responsive for enabling communication therefrom, said means for filtering out signal output responsive for improving communication signal to noise ratio, ~~said sensing means includes a wearable outfit and wherein said wearable outfit includes means for measuring at least a change in electrical properties caused by the interaction of~~ between at least an analyte and at least a agent, wherein said analyte ~~is not limited to~~ comprises at least a metal oxide and/or semiconductor gas sensor, but includes at least a sensor

~~embedded in a silicon substrate and etched in at least a re-enforced micro-fibered material for sensing and generating data indicative of and wherein said agent comprises at least one of biological, chemical, nuclear, radiological agents, and wherein said detection and for further comprises generating data indicative of at least a gaseous and or explosive detection, wherein said data responsive for initiating detection of weapon of mass destruction and for enabling interactive wireless communication through (a) said control communication means, a processor means, and wherein said micro-fibered material fabric designed in at least an outfit enables contextual detection of at least an agent influential to said massive destruction indicative of enabling network communication with at least a home-land security monitoring stations, at least a security personnel, and at least a battlefield personnel when said weapons of mass destruction and/or explosives are sensed at least security agencies thereon.~~

18. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 17, wherein said sensing means includes a ~~sensor~~ sensory circuitry fused in a wearable at least an outfit and wherein said wearable outfit comprises at least an excellent electrical property and includes means for transforming mass change at a modified surface caused by at least a mass absorption of at least an said analyte configured with at least an oscillator oscillating means, into a change of property of a support material responsive for analyzing said signal communication from said sensor means with signals from at least an said antenna means coupled to disposed with the sensor means in said outfit, wherein said sensor means further includes at least a transmitter for transmitting detection signals, and said transmitter further comprising means for energizing the detection platform, said detection platform further comprising providing a substrate across which is distributed an array of discrete regions of said sensor means, said discrete regions having membranes that pass through the sensor means, and wherein said detection platform is communicatively connected to said control means operatively configured with said communication means responsible for enabling analyzed data transmission through interactive wireless communication with at least a wireless control network means.

19. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 18, wherein said sensing means communicatively connected to said control means operatively configured with said communication means configured with at least an antenna means responsive for emitting said analyzed data transmission to enable interactive wireless communication network means, said communication means comprises ~~includes~~ a data storage means, said control means in connection with at least ~~a wearable~~ said outfit having comprising at least said embedded sensors in at least a silicon substrate ~~and wherein said wearable outfit with said embedded silicon are~~ and etched/fused in at least a micro-fibered material responsive for said excellent electrical properties, for enabling said outfit comprises (a) said detection platform, and said communication means further includes an attachable receptor means operatively configured with said detection platform and responsive for empowering the detection platform, and said receptor further comprises means for transforming changes in optical phenomena due to at least an interaction of an analyte with a receptor part indicative of at least a sensed gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties, whereby said duties include ~~such as~~ security monitoring and /or battlefield engagement, and wherein ~~such~~ said duties further includes at least randomly patrolling said vicinity within said assigned environment.
20. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 16, wherein said means for upgrading said energy level of said detection system includes an energy empowering means, and wherein said energy empowering means operatively configured with said communication means, wherein said communication means further includes at least a receptor configured with at least a cell means, wherein said cell means having energy storage means communicatively configured with at least a component of said energy empowering means, wherein said component responsive for energizing/recharging said cell, said cell storing said energy into said storage means, and said storage means responsive for recharging said energy to empower ~~empowering~~ at least a receptor and/or a detection platform, one said

energy empowering means comprises at least a ship means disposed with wind tunnels configured with at least a turbine communicatively connected to at least a cell.

21. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 16, wherein said control means further comprises means for transforming at least a chemical information reaction into an energy form, and wherein said means further transforms at least a chemical said energy into useful analytical signal for generating data ~~to at least a control means~~, said ~~control means~~ receptor responsive for enabling said interactive wireless communication ~~there-between~~ network indicative of reporting at least a sensed gaseous agent and/or explosives within at least (a) said defined vicinity common to assigning at least a personnel to duties, ~~such as security monitoring and/or battlefield engagement, and wherein such duties includes at least randomly patrolling said vicinity within said assigned environment,~~ and wherein said means for transforming said energy ~~to locations external to said randomly patrolling area~~ further includes at least a receptor and or a cell phone and or a two-way radio for enabling said communication ~~thereon~~.
22. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 21, wherein said ~~wearable~~ outfit includes at least a micro fibered material ~~and/or a fabricated micro-fibered material in combination with a mixture of~~ reinforced with at least a second material for enabling a detection platform, and wherein said receiving means ~~in connection~~ operatively configured with at least an analyzer ~~enables performance of a~~ communicatively responsive for predetermined analysis of at least a detection in response to ~~said~~ a sensed contextual characteristics referencing said detection, wherein said sensing means further ~~defines~~ configured with at least (a) said detection platform for enabling detection of weapons of mass destruction, wherein said detection platform communicatively connected ~~indicative of enabling said detection characteristics to be communicated~~ to at least a device for transforming said communication signal into electrical energy.
23. (Currently amended) ~~A home-land intelligent system's~~ Homeland intelligence

systems technology of claim 20, wherein said means for upgrading said energy level ~~of at least a detection means and/or communication device~~ includes at least a wind energy source having means responsive for wirelessly energizing at least a cell means in said receptor control means and/or a platform means ~~for at least a wired on at least said outfit, said wired outfit having a sensory circuitry means configured with said detection means for detecting contextual characteristics influential to enabling at least an applicable weapons of mass destruction, wherein said detection means includes at least a detection platform having sensors embedded in at least a micro-fibered material having composed with excellent electrical properties for enabling improving detection efficiency, and wherein said micro-fibered material is etched/fused in at least a silicon substrate to further enable efficient effective signal conduction, and wherein said silicon substrate is either etched or fused on at least a second material, forming said detection platform on said outfit, said detection platform operatively configured with said communication means for and enabling at least a mobile detection system and wireless communication network, said detection platform and said communication means responsive for forming the basis for detecting contextual characteristics influential to environmental change and for enabling wireless communication thereon network, said mobile detection means system comprising:~~ first plurality of interactive detectors in at least (a) said detection platform, wherein each of the plurality of interactive detectors being selected to detect at least one of characteristics influential to weapons of mass destruction, ~~such that wherein~~ at least a temperature detector, a contextual object detector, and at least a speech detector are ~~enabled~~ disposed in the said platform, and wherein at least a second plurality of interactive detectors disposed in said platform being selected to detect at least one of selected sounds, un-parallel wave motion, biological agents, chemical agents, nuclear agents, radiological agents, and at least a Q factor responsive to environmental pressure change; a plurality of transistorized switches are embedded on at least said detection platform for enabling the effectiveness of thermal adjustment to environmental condition influential to ~~said system's~~ predetermined operation, said transistorized switches ~~being in connection with~~ communicatively connected to at

least plurality temperature sensors, each said temperature sensor ~~having~~ operatively configured with at least a transmitting and receiving means, said transmitting and receiving means enabling networking and wireless communication with the first and the second plurality of interactive detectors, and wherein each temperature sensor further monitors the presence of thermal change of ~~the said system~~ said outfit, and each transistorized switches further configured with said detection platform for enabling adjustment of said thermal change ~~of the said system to proper a~~ predetermined operating temperature and pressure range;

a plurality of audio speakers, each audio speaker connected to at least a control means, wherein said control means receives communication signal from at least the first plurality sensors, the second plurality sensors, and wherein said communication signal is readable by at least a microprocessor, said microprocessor being in wireless communication with the first and second plurality of interactive detectors and responsive for enabling at least a selected human voice response output indicative of at least a recognized specific detection;

a plurality of ~~transmitter~~ transmitting means, each ~~transmitter~~ transmitting means responsive for transmitting signals from one of said first and second plurality of interactive detectors;

at least one ~~receiver~~ receiving means for receiving signals from at least one of the first and second plurality of ~~transmitter~~ transmitting means, said transmitting means comprises at least a transmitter, and said receiving means comprises at least a receiver;

at least one microprocessor for receiving, storing, and processing data from at least the ~~receiver~~ receiving means, and for communicating said detection data through at least one of the plurality speakers ~~to personnel monitoring said assigned environment and at least other security monitoring stations~~;

at least one of said ~~receiver~~ receiving means being is an RFID chip ~~embedded in at least said detection platform comprising~~ said mobile detection system; at least one of said ~~transmitter~~ transmitting means being is an RFID chip embedded in at least said platform ~~forming comprising~~ said mobile detection system; at least said RFID chip receiving wireless communication signals from the said plurality detectors and

communicating said received signals wirelessly to at least said microprocessor, wherein said microprocessor, ~~upon receiving said signal from the RFID chip,~~ enables audio visual communication;

at least one speaker means for outputting said human voice auditory message from at least a processor means, and for selectively broadcasting sensed emergency conditions to at least the personnel monitoring said assigned environment.

24. (currently amended) ~~A home-land intelligent system's~~ Homeland intelligence systems technology of claim 23, wherein said ~~wind energy source~~ wind tunnel enables interactive communication with at least a turbine responsive for emitting said energy, and wherein said emitted energy from said turbine is empowered through at least a wave frequency to at least a cell means configured with said control system in response to ~~said empowerment rate~~ a post energy level indicative of said control means requiring recharging and at least a detection device and/or a communication device further requiring charging for enabling effective detection signaling signals and at least for enabling effective communication in response to said detection of at least (a) weapons of mass destruction ~~and for enabling protection thereon.~~

25. (Currently amended) ~~A home-land intelligent system's~~ Homeland intelligence systems technology of claim 24, wherein said means for emitting said energy ~~from at least a wind energy source~~ comprises at least ~~a second~~ means for regenerating said energy, ~~indicative of~~ said means utilizing at least a natural energy means to enable electrical energy for empowering ~~of~~ at least a security monitoring and detection device in remote locations, ~~indicative of enabling~~ recharging of at least a detection means responsive for signaling in response to detection of weapons of mass destruction and wherein said emitted detected signal is transformed into energy form responsive for [emission of energy enables] enabling interactive network communication and protection thereon.

26. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology of claim 23, wherein said sensing means ~~with said embedded sensors~~ forming at least a platform for detection ~~in a wearable outfit~~ and said platform includes at least a micro electro mechanical system "MEMS" responsive

for enabling detection of said contextual characteristic, said contextual characteristics is comprises at least one of resonant frequency, harmonic spectra, first wavelength directing electromagnetic radiation, at least an optical radiation corresponding to the first wavelength, and at least said Q factor.

27. (Currently amended) ~~The home-land intelligent system's~~ Homeland intelligence systems technology comprises sensors embedded in a silicon substrate and etched/fused in a micro-fibered material to enable a detection platform for monitoring weapons of mass destruction, ~~such as at least a gaseous and explosive devices in the vicinity of at least a randomly patrolling environment,~~ said system's technology having configured with means for analyzing signal communication from at least a sensor means, wherein said means ~~for analyzing said signal communication from said sensor means~~ comprises at least an antenna means coupled to ~~the~~ said sensor means, and wherein said sensor means includes at least a transmitter configured with said antenna means and responsive for energizing said detection platform, and said antenna enabling analyzed data transmission through interactive wireless communication with at least a wireless control means, and wherein said sensor means further includes at least ~~a wearable~~ an outfit for enabling at least a ~~homeland-based~~ mobile platform for detection, protection, and monitoring system ~~responsive for protecting at least an assigned location of at least a site,~~ wherein said ~~homeland-based mobile detection, protection, and monitoring system's~~ outfit further responsive for enabling system portability, ~~having at least a sensor for deploying pattern of signals indicative of signals of matching signals of weapons of mass destruction and for enabling detection of agents of at least said weapons of mass destruction, wherein said outfit for detecting, protecting, and monitoring at least said agent,~~ and includes a detection means for detecting objects concealed on a person, a vehicle, and at least a vicinity common to experience the use of weapons of mass destruction, comprising:

a sensing means;

detection means;

a transmitting means coupled to a antenna means that is configured and positioned to

direct a detection signal at a person;
a receiving means coupled to a antenna means that is configured to detect a portion of the detection signal reflected by the person;
a processor connected to the receiving means and operable to process the portion of the detection signal detected by the receiving means to determine whether the person is carrying a concealed object, by conducting a test in which a first characteristic of a first dielectric constant associated with the person is determined, and a second characteristic of a second dielectric constant associated with the concealed object and or weapons of mass destruction is determined;
said sensing means comprises at least a system of sensors for detecting deployment of at least a biological agent;
said sensing means comprises at least a system of sensors for detecting the deployment of at least a chemical agent;
said sensing means comprises at least a system of sensors for detecting the deployment of at least an explosive device;
said sensing means comprises at least a sensor system of sensors for detecting deployment of at least a radioactive agent and at least a nuclear agent ~~at least a sensing means embedded in a silicon substrate, wherein said embedded sensors are etched into at least a micro-fibered fabric material to enable at least a detection platform;~~
means for attaching said micro-fibered fabric material forming a ~~for transforming said detection platform into a portable system in at least a wearable outfit;~~ responsive for sensing at least a weapon of mass destructions, and for producing analog to digital signal representation thereof; said detection platform further comprising providing a substrate across which is distributed an array of discrete regions of said sensor means, said discrete regions having membranes that pass through the sensor means; and
said detection means configured to produce a real-time alert when a concealed object and or weapon of mass destruction is detected and comprises a converting means for receiving said signal and for analyzing said signal in relation to characteristics in a wind pattern representation of at least said weapon of mass destruction, frequency, and for said means converting said signal of mass destruction into at least a digital communication signal thereon.

28. (Currently amended) ~~A wearable homeland based mobile detection, protection, and monitoring system's outfit as claimed in Homeland intelligence systems technology of claim 27, wherein said system's outfit enables protection and at least a mobile detection through at least a pattern recognition means comprising a monitoring network configured with said sensing means for sensing and generating data indicative of at least a biological, chemical, nuclear, radiological agents detection and for generating data indicative of a gaseous and or explosive detection, wherein said data is analyzed and said communication means to enabling interactive communication to said network, through at least a control means and/or a processor means, and wherein said micro-fibered material forming a fabric is designed in at least said outfit to enable contextual detection, protection, and monitoring of at least an agent influential to environmental mass destruction and responsive for enabling said network communication with security agencies thereon and wherein the detection means is configured to produce a real-time alert when a concealed object and or weapon of mass destruction is detected, said means for responding to a first wavelength configured for directing said electromagnetic radiation onto the discrete regions of the sensor means, so that at least optical radiation corresponding to the first wavelength is emitted from at least one of the discrete regions.~~
29. (Currently amended) ~~A wearable homeland based mobile detection, protection and monitoring system as claimed in Homeland intelligence systems technology of claim 27, wherein said sensing means includes an outfit having at least sensor circuitry comprising comprises at least a sensory circuitry configured with a detection platform, said detection platform comprises having at least a monitoring means in communication- operatively configured with a detection means for enabling detection of deadly weapons and contextual characteristics affecting the safety of at least an environment, wherein said sensory circuitry having links with at least a converting means for analyzing said communication signal from at least a sensor indicative of detecting chemical energy and wherein said sensing means for detecting chemical energy detects explosive energy, said converting means further includes means for enabling signal transformation from at least an energy source into~~

~~detecting gases and/ or explosives carried by a person or in a person's body and for detecting gases and/ or explosives in a transportation equipment within the vicinity of a randomly patrolling environment, wherein said converting means derives said communication signal from at least a matching wind pattern signal integral to at least an analog/digital signal communication, and wherein the real-time alert comprises an audible alert and or enabling a communication network with at least a home land security agency.~~

30. (Currently amended) ~~A wearable homeland based mobile detection, protection and monitoring means as claimed in~~ Homeland intelligence systems technology of claim 28, wherein said sensor means is embedded in at least a material having characteristics for enabling a temperature control means, and wherein said sensor means is further fused/etched in a sensory detection platform, wherein said ~~sensory detection platform is etched in at least a fabric~~, said fabric comprises means for protecting at least a human body from body bacterial, and wherein said body bacterial includes a body odor and possible environmental effects from applied weapons of mass destruction indicative of contextual characteristics influential to at least a change in environmental conditions, wherein the detection signal comprises signals from biological, chemical, radiological, nuclear agents and explosives, and generating at least a frequency in the range of at least 1.4 gigahertz.
31. (Currently amended) ~~A wearable homeland based mobile detection, protection and monitoring means as claimed in 29~~ Homeland intelligence systems technology of claim 30, wherein said material ~~for the design of at least an outfit is made of at least a micro-fiber material~~ having excellent electrical properties and ~~sensors for~~ sensor means measuring a change in said electrical properties caused by the interaction of at least an analyte, and wherein said analyte is not limited to metal oxide and or semiconductor gas sensor, but includes at least a sensor embedded in a silicon substrate and etched in at least said a re-enforced micro fibered material for sensing and generating data indicative of biological, chemical, nuclear, radiological agents detection and for generating data indicative of a gaseous and or explosive detection responsive for enabling interactive wireless communication through a control means, wherein said control means comprises a processor means, and wherein said ~~micro~~

~~fibred material fabric designed in at least an outfit having said platform further responsive for enabling contextual detection of at least an agent influential in enabling weapons of mass destruction for enabling network communication with security agencies thereon~~ the detection signal comprises a frequency stepped signal.

32. (Currently amended) ~~A wearable homeland based mobile detection, protection and monitoring means as claimed in~~ Home-land intelligence systems technology of claim 31, wherein said at least a micro-fibred material is structured and arranged structurally configured to adapt to changes in thermal condition when at least an environmental temperature condition is in at least an extreme point for protecting at least a person wearing said outfit from at least said an uncomfortable temperature condition and for transforming mass change at a modified surface caused by at least a mass absorption of at least an analyte at an oscillator into a change of property of a support material(,) responsive for analyzing signal communication from a sensor means configured with at least an antenna means coupled to the said sensor means, wherein said sensor means and said the thermal control means includes at least a transmitter for energizing the said detection platform to enable analyzed data transmission clarity through interactive wireless communication, with at least a wireless control means and wherein the detection signal comprises at least an output power of less than one milliwatt, and said membrane bringing signals that contain chemical targets into contacts with the platform, so that signals dissipate away from the membrane into the sensor means, thereby allowing at least a chemical target to be bound to the discrete region of said sensor means, said membrane comprises means for bringing chemical active material into contact with said chemical targets, the chemically active material binding to at least one of the chemical targets, whereby the chemically active material includes means for responding to at least a first wavelength upon electromagnetic radiation.
33. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology comprising outfit detection means for detecting objects concealed on a person, a vehicle, and at least a vicinity common to experience the

use of weapons of mass destruction, the detection means comprising means for monitoring terrorist activities and ~~for monitoring~~ enemy line in a battle field, ~~wherein said homeland intelligent system's technology includes a wearable outfit which is portable and enables detection and protection against weapons of mass destruction, and further includes a~~ the detection means is operatively configured with a processing means for receiving and for processing analog and digital detection signals, said processing means comprises at least a pattern of recognition technique, wherein said technique ~~enables~~ comprises means for determining if ~~said a~~ processed signal contains at least a pattern common to the deployment of at least a weapon of mass destruction, ~~wherein when said pattern recognition means confirms a detection, said processing signals would employ a rate of respondent initiation for containment of said terrorist or person desiring deployment of at least a weapon of mass destruction, enabling communication signals indicative of at least a detection of at least said weapon of mass destruction responsive for confirming at least a detection, and wherein said processing means comprises a communication means responsive for initiating employment of personnel indicative of the responding rate of respondent initiation for containment of said weapon, said terrorist and/or said person desiring deployment of at least said weapon of mass destruction by enabling communication signals indicative of contextual characteristics influential to at least a change in environmental conditions enforced by at least the use of said weapons of mass destruction and/or the detection of said person, comprising~~

~~a system of sensors~~ sensor means for detecting deployment of at least a biological agent;

~~a system of sensors~~ said sensor means comprises means for detecting the deployment of at least a chemical agent;

~~a system of sensors~~ said sensor means further comprises means for detecting the deployment of at least an explosive device;

~~a sensor system~~ said sensor means comprises means for detecting deployment of at least a radioactive agent;

~~at least a sensing means embedded in a silicon substrate, wherein said embedded sensors are etched into at least a micro-fibered fabric material;~~

a transmitting means coupled to an antenna means that is operatively configured and positioned to direct a detection signal at a person;

a receiving means coupled to an antenna means that is operatively configured to detect a portion of the detection signal reflected by the person;

a processing means comprising at least a processor connected to the receiving means and operable to process the portion of the detection signal detected by the receiving means to determine whether the person is carrying a concealed object, by conducting a test in which a first characteristic of a first dielectric constant associated with the person is determined, and a second characteristic of a second dielectric constant associated with the concealed object and or weapons of mass destruction is determined.

means for attaching said a micro-fibered fabric material into a portable system to enable at least a ~~wearable~~-outfit(,) for sensing at least a weapon of mass destructions and for producing analog to digital signal ~~representation thereof~~;

a control means in ~~connection with~~ communicatively connected to said processing means ~~responsive for said communication means~~;

a communication means comprising means for interactively enabling wireless communication to at least a homeland security monitoring stations, at least a security and battlefield personnel when deadly weapons and explosives are sensed;

said control means operatively configured with said communication means for providing status on detected deadly weapons and/or explosives and enabling interactive wireless communication to initiate deployment of personnel;

~~wireless communication means for initiating deployment of at least trained agents when deployment of at least weapon of mass destruction is sensed;~~

said communication means comprises means for enabling wirelessly communicating communication with plurality networks;

~~means for obtaining analog or digital algorithm for enabling detection of weapon of mass destruction [with] through a portable computer based receptor to determine deployment rate of deployable weapons of mass destruction, said receptor having an adjustable pattern of recognition technique comprising the steps of detecting possible combination~~

~~of weapons of mass destruction;~~

means for generating ~~transportable~~ electrical energy for recharging at least a device,
including battle field electronic devices;

~~a portable~~ means for obtaining ~~said~~ analog or digital data representation of terrorist communication and activities ~~for which a weapon of mass destruction is intended to be used,~~ wherein said data being obtained from wind energy pattern common to at least waves generated by the composition of weapons of mass destruction ~~in which protection is desired, and wherein a combination of all such waves constituting a library for detection of terrorist activities and/or detection of weapons of mass destruction is enabled.~~

34. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 33, wherein said sensor means comprises pattern recognition ~~algorithm~~ technique configured with said processing means for enabling at least a monitoring network and ~~for sensing and~~ generating data indicative of biological, chemical, nuclear, radiological agents detection and ~~for generating said data further~~ indicative of a gaseous and or explosive detection ~~to for~~ enabling interactive communication ~~through at least a control means and/or a processor means within at least a network,~~ and wherein said material fabric forming said platform is ~~designed in at least said outfit,~~ and wherein said outfit ~~being in communication with said control means and said processing means to enable~~ enables contextual detection, protection, and monitoring of at least an agent influential to environmental mass destruction and said control means responsive for enabling ~~network~~ communication network with at least security agencies thereon, wherein the detection signal comprises at least a frequency stepped signal and wherein a detection test is conducted using at least a frequency-stepped scheme.

35. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 33, wherein said pattern recognition ~~algorithm~~ technique includes at least an optical character recognition technique responsive for activating at least a detection platform ~~having~~ comprising at least a

monitoring means in communication with (a) said detection means responsive for enabling detection of deadly weapons and other contextual characteristics affecting the safety of at least an environment, wherein said platform having at least a sensory circuitry comprising said detection means, and said sensory circuitry having operatively configured with means for analyzing said detection and communication signal from at least a sensor on the said platform indicative of detecting at least a chemical energy, and wherein said sensing circuitry for detecting chemical energy detects explosive energy, and further includes means for enabling signal transformation to said frequency stepped signal, from at least an energy source into detecting gases and/or explosives carried by a person or in a person's body and for detecting gases and/or explosives in a transportation equipment within the vicinity of a randomly patrolling environment, wherein said transformation means derives said detection and communication signal from at least a matching wind pattern wave signal integral to enabling at least an analog to digital signal communication wherein the frequency stepped signal comprises frequencies at defined intervals throughout a defined frequency range, and wherein said detection platform further comprising providing a substrate across which is distributed an array of discrete regions of said sensor means, said discrete regions having membranes that pass through the sensor means .

36. (Currently amended) A mobile homeland intelligent system's Homeland intelligence systems technology as claimed in claim 35, wherein the detection signal comprises a frequency stepped signal, and wherein said pattern recognition algorithm technique includes at least a voice recognition technique through at least a sensor means embedded in at least a temperature control means for enabling a sensory platform, wherein said sensory platform is etched in at least a fabric, said fabric having and said outfit comprises at least a micro-fiber material with excellent electrical properties, comprises including means for protecting at least a human body from body bacterial, and wherein said body bacterial includes a body odor and possible environmental effects from said applied weapons of mass destruction, indicative of enabling protection against contextual characteristics influential to at least a change in environmental conditions and wherein the processor means further includes at

least a receptor operable to conduct the test using a frequency-stepped scheme, and the means for processing is operable to conduct the test based upon the difference between the first dielectric constant and the second dielectric constant.

37. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 36, wherein said pattern recognition ~~algorithm technique~~ includes at least a ~~military~~ target identification technique comprising means for outputting microimpulse waves, one said means comprises embedded in at least a radio frequency identification "RFID" means further responsive for measuring a change in electrical properties caused by the interaction of at least an analyte, and wherein said analyte is not limited to metal oxide and or semiconductor gas sensor, but includes at least a nano sensor embedded in a silicon substrate and etched in at least ~~said~~ a re-enforced micro fibered material to enable at least a ~~wearable outfit having a~~ detection platform responsive for sensing, detecting, protecting, and generating data indicative of biological, chemical, nuclear, radiological agents detection, and ~~for generating said data further~~ indicative of a gaseous and or explosive detection, wherein said platform operatively configured with a control means and communicatively connected to at least a communication means, said communication means enables interactive communication ~~through at least a control means and/or a processor means, and wherein said micro fibered material fabric designed to enable contextual detection of at least an agent influential to mass destruction, and said platform having a thermostat means configured with said control means~~ for enabling thermal protection and control of said sensory platform and/or ~~said person~~ a personnel wearing said outfit against environmental condition, ~~and responsive for enabling initial network communication with personnel and other security agencies thereon~~ and wherein the receiving means and/or control means further includes a receptor and/or a cell phone operable to conduct the test based upon a difference between the first dielectric constant and the second dielectric constant, wherein the difference is determined during the test.
38. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 37, wherein said sensor means comprises at least a proximity sensor configured with said platform forming a system for detecting

and surveying at least a systematic wave-like pattern of composed weapons of mass destruction and for enabling detection of at least a change in temperature, ~~when at least an environmental temperature condition is in at least an extreme point and~~ said platform enabling protecting at least a person wearing said outfit ~~indicative of at least protecting against an uncomfortable temperature condition, and wherein said uncomfortable condition includes detection of weapons of mass destruction and said system~~ and said receiving means transforming said mass change at a modified surface ~~caused by at least a mass absorption of at least an analyte at least an~~ ~~oscillator~~ into a change of property of a support material, ~~said oscillator for~~ said control means responsive for analyzing said signal communication, ~~from the sensory means through at least an~~ said antenna means coupled to the sensory sensor means, wherein said sensory means, and/or said control means, and/or said temperature control means includes at least a transmitter for energizing the detection platform to ~~efficiently effectively~~ enable analyzed data transmission through the ~~antennas to enable~~ antenna means, and said communication means enabling interactive wireless communication to at least a centralized ~~wireless control means and/or~~ network .

39. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 34, wherein said detection means comprises said detection platform responsive for detecting characteristic data traveling through waves and said receiving means receiving said data and surveying for at least a deadly weapon, said sensor means operatively configured with said transmitting means responsive for sharing said characteristic data to at least a network structure, and wherein the detection signal comprises signals from biological, chemical, radiological, nuclear agents and explosives, and generating at least a frequency in the range of at least 1.4 gigahertz.

~~additional data is wired/wirelessly input into at least a receptor for enabling analyzing the said detection data, said additional data is output into at least a network means indicative of at least a pattern recognition means, and wherein said receptor uses said additional data to enable interactive communication between the said receptor and the said network responsive for transforming at least a chemical energy~~

~~into useful analytical signal for generating contextual data to at least a control means, said control means enabling interactive wireless communication there between indicative of at least a sensed gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties such as security monitoring and /or battlefield engagement, and wherein such duties includes at least randomly patrolling said vicinity within said assigned environment, and wherein said means for transforming said energy to locations external to said randomly patrolling environment includes any of at least a receptor, a cell phone and/or a two way radio and wherein said membrane bringing signals that contain chemical targets into contacts with the platform, so that signals dissipate away from the membrane into the sensor means, thereby allowing at least a chemical target to be bound to the discrete region of said sensor means, said membrane comprises means for bringing chemical active material into contact with said chemical targets, the chemically active material binding to at least one of the chemical targets, whereby the chemically active material includes means for responding to at least a first wavelength upon electromagnetic radiation .~~

40. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 39, wherein said additional characteristic data comprises data from anticipatory sensing of at least a weapon of mass destruction and wherein the outfit includes said detection means comprises a nano-sensors in said detection platform responsive for enabling configured with means for transforming mass change at a modified surface caused by at least a mass absorption of at least an analyte at an oscillator into a change of property of a support material, ~~and for analyzing signal communication from at least a sensor means through at least an antenna means coupled to the sensor means, wherein said sensor means includes at least a transmitter for energizing the detection platform to enable rapid analysis of data transmission through interactive wireless communication to at least a wired/wireless control means~~ wherein the outfit detection means comprises at least a bistatic radar and/or at least nano-sensor structure, and wherein at least one of the antenna means comprises at least an RFID chip and/or a spiral antenna, said means for responding to a first wavelength configured for directing said electromagnetic

radiation onto the discrete regions of the sensor means, so that at least optical radiation corresponding to the first wavelength is emitted from at least one of the discrete regions.

41. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 40, wherein said ~~additional~~ characteristic data comprises data from at least a network computer, and wherein said network computer comprises at least a handheld device in communication with said detection platform, said handheld device includes means for diagnosing said characteristic data, intercepting terrorism readiness, and have at least sensor circuitry ~~comprising~~ links to operatively configured with said detection platform, and having at least a monitoring means ~~in communication with a~~ communicatively connected to said detection means responsive for enabling detection of deadly weapons ~~of mass destruction~~ and the characteristics affecting the safety of at least an environment, at least a first test is performed within the environment, wherein the first dielectric constant is determined during the test, and wherein the first dielectric constant is associated with at least the skin of a person and/or an object, wherein said at least a sensory circuitry having means for analyzing said communication signal from at least a sensor is enabled upon completion of said analyzed detection characteristics indicative of detecting chemical energy, and wherein said sensing means for detecting said chemical energy detects explosive energy and further includes means for enabling signal transformation from at least an energy source into detecting gases and/or explosives carried by a person or in a person's body, and for detecting gases and/or explosives in a transportation equipment traveling within the vicinity of a randomly patrolling environment and wherein at least one of said antenna means comprises an endfire waveguide antenna, and wherein said silicon substrate and said micro-fibered material responsive for said discrete regions include a reflecting layer to enhance sensitivity of detection.
42. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 41, wherein said processing means comprises at least an identification means for identifying foreign objects in at least wind waves, and wherein said wind waves include at least said micro-impulse wave s

occupying at least an assigned environment and ~~for enabling means for~~ said processing means transforming at least said identified foreign object effect on said wind wave ~~enabling into~~ electrochemical energy responsive for enabling interaction with at least an analyte electrode ~~into a~~ responsive for outputting matching useful signal communication indicative of at least a detection through said sensory circuit, wherein said sensory circuitry comprises said detection platform configured with at least (a) said sensor means embedded in at least a silicon substrate forming said detection platform, and wherein said embedded sensor means and said silicon substrate are etched in at least a re-enforced micro-fibered material for enabling ~~efficient effective~~ detection through at least a platform means responsive for detecting of contextual characteristics data in plurality of reflected waves influential to at least a change in environmental conditions.

43. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in claim 42, wherein said processing means ~~for identifying foreign objects in wind waves~~ comprises at least a converting means coupled to ~~said processing means~~ at least a processor for identifying wave pattern, wherein said converting means responsive for receiving analog signal and ~~said means~~ for identifying said wave pattern in wind waves, said converting means further enables converting said analog signal into digital signal communication indicative of detection of weapons of mass destruction gaseous and explosive device detection in the vicinity of at least a randomly patrolling environment, and wherein said processing means further includes means for analyzing said signal communication ~~from at least a sensor means, wherein said sensor means responsive for initiating analyzing data signals responsive for enabling communication from said sensor means to at least an antenna means coupled to the said sensor means indicative of enabling communication with other devices and assigned locations, and wherein said sensor means includes at least a transmitter for energizing the detection platform and for enabling wireless communication thereon.~~
44. (Currently amended) ~~A mobile homeland intelligent system's~~ Homeland intelligence systems technology as claimed in 33, wherein said contextual characteristics data are detected by said outfit configured with said sensor means for receiving signals

between plurality of deflected waves and said converting means for obtaining analog or digital algorithm and for generating transportable electronic energy to be transported through electronic means, said electronic means comprises at least a battle ship having means responsive for utilizing objects of nature to generating said electrical energy responsive for energizing combat devices and for enabling detection and protection against weapons of mass destruction, and includes a said processing means configured with said converting means for receiving and processing said analog and digital signals and one said object of nature includes at least a sea wind, wherein said processing means further comprises at least a pattern of recognition technique, ~~and wherein said technique enables includes~~ means for determining if said processed signal contains at least a pattern common to the deployment of at least a weapon of mass destruction ~~indicative of confirming at least a detection~~ and responsive for initiating employment of personnel ~~indicative of responding to the rate of respondent~~ initiation for containment of said terrorist or a person desiring deployment of at least said weapon of mass destruction ~~and further enabling communication signals thereon indicative of releasing data in response to analysis of said contextual characteristics influential to at least a change in environmental conditions enforced by at least the use of said weapons of mass destruction.~~

45. (Currently amended) ~~A mobile homeland intelligent~~ Homeland intelligence systems technology as claimed in 44, wherein said ~~generated electrical~~ energy enables interaction with plurality of devices responsive to said energized means for transporting data and for ~~enabling at least means for~~ recharging battlefield portable electronic devices wirelessly ~~indicative of amplify signals responsive for recharging said devices and for generating data through~~ at least a control means, said control means ~~enabling~~ configured with a communication means for enabling interactive wireless communication ~~there-between~~ indicative of responding to at least a sensed gaseous agent and/or explosives within at least a defined vicinity common to assigning at least a personnel to duties such as security monitoring and /or battlefield engagement, and wherein such duties includes at least randomly patrolling said vicinity within said assigned environment, and wherein said means for transforming

~~said energy to locations external to said randomly patrolling environment further includes at least an outfit, a receptor, and/or a cell phone, and/or a two-way radio.~~